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## CLAIMS

- Halogen-free, flame-retardant composition that comprises at least either
   an organic phosphorus compound (A), melamine or a compound derived from melamine (B),
  - or a melamine-phosphorus compound (AB), characterised in that the composition also contains
- a polymer compound (C) comprising at least one type of olefine having 2-12 carbon atoms and 0.1-30 weight % (relative to the weight of the polymer compound) of at least one compound containing acid, acid anhydride or epoxy groups.
  - 2. Composition according to Claim 1, characterised in that component (C) is a polymer having a chemical composition based on E, X and Y, E being an ethylene radical, X a radical formed from the compound

R<sup>2</sup> O

 $CH_2 = CH-C-O-R^1$ 

where

 $R^1$  = alkyl radical having 1-8 carbon atoms  $R^2$  = H,  $CH_3$  or  $C_2H_5$ 

- and Y is a radical formed from glycidyl (alkyl)acrylate.
  - 3. Composition according to Claim 1, characterised in that component (C) is an ethylene/acrylic ester/glycidyl methacrylate, ethylene/acrylic ester/maleic anhydride,

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ethylene/glycidyl methacrylate, ethylene/methacrylic acid, propylene/maleic anhydride and propylene/acrylic acid polymer.

- Composition according to Claim 3,
   characterised in that component (C) is an ethylene/acrylic ester/glycidyl methacrylate terpolymer.
- 5. Composition according to Claim 4, characterised in that component (C) is an ethylene/methylmethacrylic ester/glycidyl methacrylate terpolymer.
  - 6. Composition according to Claim 1, characterised in that component (C) is an ethlyene/alpha-olefine copolymer modified with maleic anhydride.
  - 7. Composition according to any one of Claims 1-6, characterised in that the organic phosphorus component (A) or the melaminephosphorus compound (AB) is a phosphate, phosphinate or phosphonate.
  - 8. Composition according to any one of Claims 1-7, characterised in that melamine, melamine cyanurate, melamine phosphate, melam, melem or a mixture thereof is chosen as component (B) of (AB).
  - 9. Polycondensate composition that comprises the flame-retardant composition according to any one of Claims 1-8, characterised in that the polycondensate is a polyester or a polyamide.
- 30 10. Polycondensate composition according to Claim 9, characterised in that the polyester is chosen from the group comprising PET (polyethylene terephthalate), PBT (polybutylene terephthalate), PEN (polyethylene naphthalate), PPT

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(polyphenylene terephtalate) or PBN (polybutylene naphthalate).

- 11. Polycondensate composition according to Claim 9, characterised in that the polyamide is chosen from the group comprising polyamide-6, polyamide-6,6 and polyamide-4,6.
- 12. Polycondensate composition according to any one of Claims 9-11, characterised in that an inorganic filler is also present.
- 10 13. Polycondensate composition according to Claim 12, characterised in that the inorganic filler is glass fibre.
  - 14. Polyester composition that comprises at least:
- 15 an organic phosphate or phosphonate;
  - melamine cyanurate, melamine phosphate, melam, melem or mixtures thereof;
  - an ethylene/acrylic ester/glycidyl
    methacrylate polymer;
- 20 glass fibres;
  - a polyester chosen from the group comprising PET (polyethylene terephthalate), PBT (polybutylene terephthalate), PEN (polyethylene naphthalate) or PBN (polybutylene naphthalate).
  - 15. Polyamide composition that comprises at least:
    - an organic phosphate or phosphonate;
- melamine cyanurate, melamine phosphate,
  melam, melem or mixtures thereof;
  - an ethylene/alpha-olefine copolymer
    modified with maleic anhydride;
  - glass fibres
- a polyamide chosen from the group

comprising polyamide-6, polyamide-6,6 and polyamide-4,6.

16. Halogen-free flame-retardant composition and polycondensate composition as described and elucidated with reference to the examples.